

AMENDMENTS TO THE CLAIMS:

1-18. (Canceled).

19. (New) A compact cooling system, comprising:

a radial fan having an axis, said radial fan directing air flow outwardly
away from said fan axis;

a first heat exchanger and a second heat exchanger, said heat exchangers
being disposed around said radial fan with first and second headers
extending generally in the same direction as said fan axis, said heat
exchangers each having:

an inlet in said first header,

an outlet in one of said first and second headers,

a plurality of flat tubes extending between said first and second
headers, said plurality of tubes:

being substantially parallel between first and second end

tubes of said plurality of flat tubes,

adapted to carry a fluid between said first and second head-
ers, and

spaced from a system front to a system back across said air
flow, and

18 said first header including a portion extending beyond one of said
first and second end tubes whereby said inlet is in said ex-
20 tending portion of said first header;

a system inlet;

22 a first rectangular tube connecting said system inlet to said inlet in said
extending portion of said first heat exchanger, said first rectangular
24 tube being proximate and in line with said one of said first and
second end tubes of said first heat exchanger and generally dis-
posed in a space along said fan axis bounded by the ends of said
26 extending portion of said one of said first and second headers of
said first heat exchanger; and
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a second rectangular tube connecting said system inlet to said inlet in said
30 extending portion of said second heat exchanger, said second rect-
angular tube being proximate and in line with said one of said first
32 and second end tubes of said second heat exchanger and generally
disposed in a space along said fan axis bounded by the ends of said
34 extending portion of said one of said first and second headers of
said second heat exchanger.

20. (New) The cooling system of claim 19, wherein said first
2 heat exchanger and said second heat exchanger are disposed with one header of

said first heat exchanger against one header of said second heat exchanger
4 whereby air flow between said one headers is prevented.

21. The cooling system of claim 19, further comprising fins
2 between said flat tubes.

22. (New) The cooling system of claim 21, wherein said fins are
2 serpentine.

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23. (New) The cooling system of claim 19, wherein said space
2 along said fan axis bounded by the ends of said extending portion of said one of
said first and second headers of said first heat exchanger generally coincides
4 with said space along said fan axis bounded by the ends of said extending
portion of said one of said first and second headers of said second heat exchang-
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24. (New) The cooling system of claim 19, wherein said first and
2 second rectangular tubes have a major dimension and minor dimension, with said
minor dimension extending generally parallel to said fan axis.

25. (New) The cooling system of claim 24, wherein said minor
2 dimension is generally no larger than the spacing between the ends of said
extending portion of said one of said first and second headers of said first and
4 second heat exchangers.

26. (New) The cooling system of claim 24, wherein said first and
2 second rectangular tubes have a flat face extending in the direction of said major
dimension, and said flat face is proximate said one of said first and second end
4 tubes.

27. (New) The cooling system of claim 19, further comprising:
2 a second portion in said one of said first and second headers extending
beyond one of said first and second end tubes in said one of said
4 first and second headers of each of said first and second heat
exchangers;
6 a system outlet;
a third rectangular tube connecting said system outlet to said outlet in
8 said second extending portion of said first heat exchanger, said
third rectangular tube being proximate and in line with one of said
10 first and second end tubes of said first heat exchanger and gener-
ally disposed in a space along said fan axis bounded by the ends of

12 said second extending portion of said one of said first and second
headers of said first heat exchanger; and
14 a fourth rectangular tube connecting said system outlet to said outlet in
said second extending portion of said second heat exchanger, said
16 second rectangular tube being proximate and in line with said one
of said first and second end tubes of said second heat exchanger
18 and generally disposed in a space along said fan axis bounded by
the ends of said second extending portion of said one of said first
20 and second headers of said second heat exchanger.

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28. (New) The cooling system of claim 27, wherein said first and
2 second rectangular tubes are proximate said first end tubes of said first and
second heat exchangers and said third and fourth rectangular tubes are proxi-
4 mate said second end tubes of said first and second heat exchangers.

29. (New) The cooling system of claim 28, wherein said system
2 inlet is at said system front and said system outlet is at said system back.

30. (New) A heat exchanger, comprising:
2 a plurality of generally flat members joined along longitudinal sides to
define tube passages between joined flat members, adjacent flat

4 members defining different tube passages being connected at their
ends;
6 first and second headers at opposite ends of said flat members enclosing
said defined tube passages;
8 an inlet in said first header;
an outlet in one of said first and second headers;
10 one of said first and second headers including a portion extending beyond
one end flat member whereby one of said inlet and outlet is in said
12 extending portion of said one of said first and second headers;
a first rectangular connector for connecting a first exterior line to said one
14 of said inlet and outlet in said header extending portion, said first
rectangular connector being proximate and in line with said one end
16 flat member and having a major dimension and a minor dimension,
wherein said major dimension generally coincides with the width of
18 the flat members.

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31. (New) The heat exchanger of claim 30, wherein said minor
2 dimension is generally no larger than the spacing between the ends of said
extending portion of said one of said first and second headers of said heat
4 exchanger.

2 32. (New) The heat exchanger of claim 30, wherein said first
rectangular connector has a flat face extending in the direction of said major
dimension, and said flat face is proximate said one end flat member.

2 33. (New) The heat exchanger of claim 30, further comprising a
second rectangular connector for connecting a second exterior line to the other
of said inlet and outlet in another header extending portion, said second connec-
4 tor being proximate and in line with the other of said end flat members.

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2 34. (New) A compact cooling system, comprising:
a radial fan having an axis, said radial fan directing air flow outwardly
away from said fan axis;
4 four heat exchangers according to claim 30, said heat exchangers being
arranged in a box-shaped envelope about said radial fan with said
6 headers of said heat exchangers extending generally in the same
direction as said fan axis with adjacent headers of said heat
8 exchangers being disposed against one another whereby air flow
between said adjacent headers is prevented.
